

**STIC Biotechnology Systems Branch**

**RAW SEQUENCE LISTING**  
**ERROR REPORT**

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/512,045  
Source: PG/10  
Date Processed by STIC: 8/22/05

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER VERSION 4.2.2 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail. Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom. Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05):  
U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/24/05

## Raw Sequence Listing Error Summary


### ERROR DETECTED

### SUGGESTED CORRECTION

SERIAL NUMBER:

10/5/2,045

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1      Wrapped Nucleics  
    Wrapped Aminos     The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
  
- 2      Invalid Line Length     The rules require that a line not exceed 72 characters in length. This includes white spaces.
  
- 3      Misaligned Amino  
    Numbering     The numbering under each 5<sup>th</sup> amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.
  
- 4      Non-ASCII     The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
  
- 5      Variable Length     Sequence(s)          contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
  
- 6      PatentIn 2.0  
    "bug"     A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s)         . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
  
- 7      Skipped Sequences  
    (OLD RULES)     Sequence(s)          missing. If intentional, please insert the following lines for each skipped sequence:  
                                   (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)  
                                   (i)       SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)  
                                   (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)  
                                   This sequence is intentionally skipped  
  
                                   Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences
  
- 8      Skipped Sequences  
    (NEW RULES)     Sequence(s)          missing. If intentional, please insert the following lines for each skipped sequence  
                                   <210> sequence id number  
                                   <400> sequence id number  
                                   000
  
- 9      Use of n's or Xaa's  
    (NEW RULES)     Use of n's and/or Xaa's have been detected in the Sequence Listing.  
                                   Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.  
                                   In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
  
- 10      Invalid <213>  
    Response     Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence
  
- 11      Use of <220>  
         Sequence(s)          missing the <220> "Feature" and associated numeric identifiers and responses.  
                                   Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.  
                                   (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
  
- 12      PatentIn 2.0  
    "bug"     Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
  
- 13      Misuse of n/Xaa     "n" can only represent a single nucleotide; "Xaa" can only represent a single amino acid



PCT

## RAW SEQUENCE LISTING

DATE: 08/22/2005

PATENT APPLICATION: US/10/512,045

TIME: 16:49:53

Input Set : A:\P70201US0 sequence listing.txt

Output Set: N:\CRF4\08222005\J512045.raw

3 <110> APPLICANT: NEOVACS  
 5 <120> TITLE OF INVENTION: non immunosuppressive immunogenic or vaccine  
 6 composition comprising a mutated E7 protein  
 7 of the HPV-16 virus  
 9 <130> FILE REFERENCE: NEOVACS - N729-PCT  
 C--> 11 <140> CURRENT APPLICATION NUMBER: US/10/512,045  
 C--> 12 <141> CURRENT FILING DATE: 2004-10-21  
 14 <150> PRIOR APPLICATION NUMBER: FR0205173  
 15 <151> PRIOR FILING DATE: 2002-04-24  
 17 <160> NUMBER OF SEQ ID NOS: 4  
 19 <170> SOFTWARE: PatentIn Ver. 2.1

## ERRORED SEQUENCES

51 <210> SEQ ID NO: 2  
 52 <211> LENGTH: 276  
 E--> 53 <212> TYPE: ADN *invalid. Do you mean DNA?*  
 54 <213> ORGANISM: artificial sequence  
 56 <220> FEATURE:  
 57 <223> OTHER INFORMATION: artificial sequence  
 58 description: E7-delta-21-26  
 60 <400> SEQUENCE: 2  
 61 catggagata cacctacatt gcatgaatat atgtagatt tgcaaccaga gacaactcaa 60  
 62 ttaaattgaca gctcagagga ggaggatgaa atagatgggc cagctggaca agcagaaccg 120  
 63 gacagagccc attacaatat tgtaaccttt tgttgcaagt gtgactctac gcttcgggtg 180  
 64 tgcgtacaaa gcacacacgt agacattcgt actttggaag acctgttaat gggcacacta 240  
 65 ggaatttgtt gcccattctg ttctcagaaa ccataa 276  
 97 <210> SEQ ID NO: 4  
 98 <211> LENGTH: 294  
 E--> 99 <212> TYPE: ADN *same error*  
 100 <213> ORGANISM: Human papillomavirus type 16  
 102 <400> SEQUENCE: 4  
 103 catggagata cacctacatt gcatgaatat atgtagatt tgcaaccaga gacaactgat 60  
 104 ctctactgtt atgagcaatt aatgacagc tcagaggagg aggatgaaat agatggtcca 120  
 105 gctggacaag cagaaccgga cagagcccat tacaatttg taaccttttg ttgcaagtgt 180  
 106 gactctacgc ttcggttgtg cgtacaaagc acacacgtag acattcgtac tttggaagac 240  
 107 ctgttaattg gcacactagg aattgtgtgc cccattctgt ctcagaaacc ataa 294

Does Not Comply  
 Corrected Diskette Needed

(see  
 item 11 on  
 Error  
 Summary  
 Sheet)

↓  
 same  
 error  
 in sequence 1

**VERIFICATION SUMMARY**

PATENT APPLICATION: US/10/512,045

DATE: 08/22/2005

TIME: 16:49:54

Input Set : A:\P70201US0 sequence listing.txt

Output Set: N:\CRF4\08222005\J512045.raw

L:11 M:270 C: Current Application Number differs, Replaced Application Number

L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:53 M:310 E: (3) Wrong or Missing Sequence Type, numeric identifier <212>, for SEQ ID#:2

L:99 M:310 E: (3) Wrong or Missing Sequence Type, numeric identifier <212>, for SEQ ID#:4